- **28**. The vaccine of claim **24**, wherein the vaccine has a protein content, and the protein content is greater than 95% recombinant *P. falciparum* CSP as measured by gel densitometry.
- **29**. The vaccine of claim **28**, wherein the protein content is at least about 99% recombinant *P. falciparum* CSP as measured by gel densitometry.
- **30.** A method of eliciting an immune response against malaria in an animal or human comprising administering the vaccine of claim **24** to the animal or human.
- 31. A method of immunizing an animal or human against malaria, comprising administering to the animal or human the vaccine of claim 24.
- 32. The method of claim 30, wherein the vaccine is administered intramuscularly.
- **33**. A process of producing a soluble recombinant *P. falci-parum* CSP, comprising the steps of:
 - providing *E. coli* cells containing a nucleotide sequence that expresses a recombinant *P. falciparum* CSP according to claim 1;
 - inducing expression of the recombinant *P. falciparum* CSP in the *E. coli* cells;
 - lysing the E. coli cells to produce E. coli lysate;
 - purifying the recombinant *P. falciparum* CSP from the supernatant of the *E. coli* lysate without denaturing and refolding the recombinant *P. falciparum* CSP.
- **34**. The process of claim **33**, wherein the *E. coli* is cultured in media substantially free of components derived from animals.
- 35. The process of claim 34, wherein the media comprises a combination of ingredients including Phytone, yeast

- extract, ammonium sulfate, potassium phosphate monobasic, sodium phosphate dibasic, MgSO₄, glycerol, dextrose and kanamycin.
- **36**. The process of claim **33**, wherein the reclombinant *P. falciparum* CSP comprises one or more histidine tags at one or both ends, and wherein the purification step consists essentially of:
 - purifying the soluble protein over a nickel affinity column;
 - purifying the soluble protein over a Q-sepharose anion exchange column and recovering a purified protein,
 - wherein the purification step does not include any other chromatographic separation.
- 37. The process of claim 33, further comprising the step of filtering the purified protein.
- **38**. The process of claim **33**, wherein the purified protein is at least about 90% pure recombinant *P. falciparum* CSP as measured by gel densitometry.
- **39**. The process of claim **38**, wherein the purified protein is at least about 95% pure recombinant *P. falciparum* CSP as measured by gel densitometry.
- **40**. The process of claim **33**, the purified protein comprises less than 1 ng/ml of *E. coli* host proteins.
- **41**. The process of claim **33**, wherein the purified protein comprises less than about 5 endotoxin units per microgram protein.
- **42**. The process of claim **33**, wherein the *E. coli* cell is SHUFFLETM strain.
- **43**. A vaccine comprising the soluble protein produced by the process of claim **33**.

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